

Nicola Lercari

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EMPLOYMENT

- 2015 – Present Assistant Professor of World Heritage, School of Social Sciences, Humanities, and Arts, University of California, Merced.
- 2013 – 2014 Postdoctoral Associate in Art, Art History, and Visual Studies, Duke University.
- 2011 – 2012 Postdoctoral Scholar in Digital Humanities, University of California, Merced.
- 2010 – 2012 Lecturer, University of California, Merced.

EDUCATION

- 2011 Ph.D., History and Computing, University of Bologna.
Dissertation Title: The Language of Cultural Virtual Environments: Nu.M.E. Project and the Virtual Reconstruction of Bologna.
Committee: Prof. Francesca Bocchi (chair), Dr. Evelina Lamma, Dr. Marco Gribaudo, and Antonella Guidazzoli.
- 2007 M.A., Film Studies and Multimedia Production (Magna Cum Laude), University of Bologna.
- 2004 B.A., major in Media Studies (Magna Cum Laude), University of Genova.

PUBLICATIONS

Articles in Peer-reviewed Journals

- 2017 Lercari, N., Shiferaw, E., Forte, M., Kopper, R. (2017). Immersive Visualization and Curation of Archaeological Heritage Data: Çatalhöyük and the Dig@IT App. *Journal of Archaeological Method and Theory* (2017). DOI: 10.1007/s10816-017-9340-4.
- 2017 Lercari, N. (2017). 3D Visualization and Reflexive Archaeology: A Virtual Reconstruction of Çatalhöyük History Houses. *Digital Applications in Archaeology and Cultural Heritage*, 6 (2017), DOI: 10.1016/j.daach.2017.03.001.
- 2015 Berggren, A., Dell'Unto, N., Forte, M., Haddow S., Hodder, I., Issavi J., Lercari, N., Mazzuccato, C., Mickel, Al., Taylor, J.S. (2015). Revisiting reflexive archaeology at Çatalhöyük: integrating digital and 3D technologies at the trowel's edge. *Antiquity*, 89(344), 433-448. DOI: 10.15184/aqy.2014.43.
- 2012 Forte, M., Dell'Unto, N., Issavi, J., Onsurez, L., Lercari, N. (2012). 3D Archaeology at Çatalhöyük. *International Journal of Heritage in the Digital Era*, 1(3), 351-378. DOI: 10.1260/2047-4970.1.3.351

Chapters in Peer-reviewed scholarly books

- 2018 Lercari, N. (in press). Virtually Rebuilding Çatalhöyük History houses. In I. Hodder (Ed.), *Religion, History and Place in the Origin of Settled Life*. Boulder: University Press of Colorado.
- 2016 Lercari, N. (2016). Terrestrial Laser Scanning in the Age of Sensing. In M. Forte, S. Campana (Eds.), *Digital Methods and Remote Sensing in Archaeology* (pp.3-33). New York: Springer. ISBN: 978-3-319-40658-9.
- 2016 Lercari, N. (2016). Simulating History in Virtual Worlds. In Y. Sivan (Ed.), *Handbook on 3D3C Platforms: Applications and Tools for Three Dimensional Systems for Community, Creation and Commerce* (pp. 337-352). New York: Springer. ISBN: 978-3-319-22041-3, DOI:10.1007/978-3-319-22041-3_13.
- 2016 Forte, M., Dell'Unto, N., Jonsson, K., Lercari, N. Interpretation Process at Çatalhöyük using 3D. (2015). In I.

- Hodder, A. Marciniak (Eds.), *Assembling Çatalhöyük* (pp.43-57). New York: Routledge. ISBN: 978-1-910526-00-2.
- 2014 Lercari, N., Mortara, M., Forte, M. (2014). Unveiling California history through serious games: Fort Ross Virtual Warehouse. In A. De Gloria (Ed.), *Lecture Notes in Computer Science: Games and Learning Alliance*. (pp. 236-251). Berlin: Springer. ISBN: 978-3-319-12157-4.
- 2011 Lercari, N. (2011). Nuove Forme di Comunicazione per Nu.M.E. In F. Bocchi, R. Smurra (Eds.), (pp. 217-225). Bologna: Bononia University Press. ISBN: 978-88-7395-597-9.
- 2010 Lercari, N. (2010). An Open Source Approach to Cultural Heritage: Nu.M.E. Project and the Virtual Reconstruction of Bologna. In M. Forte (Ed.), *Cyber-Archaeology* (pp. 125-133). Oxford: Archaeopress, BAR Int. Series 2177.

Manuscripts Under Review and in Preparation

- Under Review Lercari, N., Arksey, M., DeLugan, R., Thornburg M., Caskey, C., Wilkinson, P., Molano, S., Renn, E., Gurevitz, A. California Gold Country's Digital Heritage: Innovations in Community Engaged Research and Training. *Collaborations: A Journal of Community-based Research and Practice*.
- In preparation Lercari, N., Aboulhosn, J., Guillem, A., Duenas Garcia M., Campiani, A. Drones at the Dawn of Civilization: Assessing Intra-site and Inter-site Mini-UAS Survey Methods at Çatalhöyük and Boncuklu Höyük.

Papers in Peer-reviewed Conference Proceedings

- 2016 Lercari, N., Schulze, J., Wendrich, W., Porter, B., Burton, M., Levy, T.E. (2016). 3-D Digital Preservation of At-Risk Global Cultural Heritage. Paper presented at EUROGRAPHICS Workshop on Graphics and Cultural Heritage (GCH) 2016, Genova, Italy. Oct. 5-7, 2016. DOI: 10.2312/gch.20161395.
- 2013 Lercari, N., Mortara, M., Forte, M. (2013). Unveiling California history through serious games: Fort Ross Virtual Warehouse. Paper presented at *Games and Learning Alliance. Games and Learning Alliance (GALA), Second International Conference, Paris 2013*, Paris. Oct. 23-25, 2013.
- 2013 Lercari, N., Forte, M., Onsurez, L., Schultz, J. (2013). Multimodal Reconstruction of Landscape in Serious Games for Heritage. An insight on the creation of Fort Ross Virtual Warehouse serious game. Paper presented at *Digital Heritage International Congress 2013*, Marseille, France, Oct. 28- Nov 01, 2013.
- 2012 Forte, M., Lercari, N., Onsurez, L., Issavi, J., Prather, E. (2012). The Fort Ross Virtual Warehouse Project: A Serious Game for Research and Education. Paper presented at *18th International Conference on Virtual Systems and Multimedia- VSMM 2012*, Milano, Italy, Sept. 2-5, 2012.
- 2011 Lercari, N., Toffalori, E., Spigarolo, M., Onsurez, L. (2011). Virtual Heritage in the Cloud: New Perspectives for the Virtual Museum of Bologna. Paper presented at *VAST 2011, 12th International Symposium on Virtual Reality, Archaeology and Cultural Heritage*, Prato, Italy, Oct 18-21, 2011.
- 2010 Forte, M., Lercari, N., Galeazzi, F., Borra, D. (2010). Metaverse Communities and Archaeology: The Case of Teramo. Paper presented at *Third International Euro-Mediterranean Conference - EuroMed 2010* (pp. 79-84), Limassol, Cyprus, Nov. 8-13, 2010.

Other Conference Proceedings and Published Abstracts:

- 2017 Lercari, N. and Weekley, J. (2017). Leveraging Wide-Area Visualization Environments (WAVE) and the Pacific Research Platform to create At-Risk Global Heritage Networks. Paper presented at *2017 Computer Applications and Quantitative Methods in Archaeology (CAA) International Conference*, Atlanta, GA, Mar. 14-16, 2017.
- 2017 Lercari, N., Jaffke, D. (2017). Bodie 3D Project: Best Practices for Heritage Digital Documentation at Bodie SHP. Paper presented at the *Society for California Archaeology Annual Meeting 2017*, Fishcamp, CA, Mar. 9-12, 2017.
- 2015 Lercari, N. (2015). 3D visualization and reflexive archaeology: the virtual reconstruction of Çatalhöyük History houses. Paper presented at *The 48th Chacmool Annual Conference*, Calgary, Canada, Nov. 11-14, 2015.
- 2015 Lercari, N. (2015). Virtually Rebuilding Çatalhöyük History Houses. Paper presented at *SAA 80th Annual Meeting*, San Francisco, Apr 15-19, 2015.
- 2015 Forte, M., Lercari, N. (2015). Digital Archaeology at Çatalhöyük: New Inferential Methods for the Interpretation

of Neolithic Buildings. Paper presented at *SAA 80th Annual Meeting*, San Francisco, Apr 15-19, 2015.

- 2014 Lercari, N. (2014). Towards an Immersive Interpretation of Çatalhöyük at DiVE. Paper presented at *ASOR Meeting 2014*, San Diego, CA, Nov 19-22, 2014.
- 2014 Lercari, N., Shiferaw, E., Kopper, R. (2014). Reshaping Remote Sensing and Virtual Reality at Çatalhöyük. Paper presented at *Age of Sensing 5th International Conference on Remote Sensing in Archaeology*, Durham, NC, Oct 13-15, 2014.
- 2014 Lercari, N. (2014). Terrestrial Laser Scanning at Çatalhöyük: New Methodologies, Results, and Research Perspectives. Paper presented at *Age of Sensing 5th International Conference on Remote Sensing in Archaeology*, Durham, NC, Oct 13-15, 2014.
- 2014 Forte, M., Dell'Unto, N., Haddow, S., Lercari, N., Mazzucato, C. (2014). Interpretation Process at Çatalhöyük Using 3D. Paper presented at *20th Ann. Meeting of the European Assoc. of Archaeologists*, Istanbul, Turkey, 10-14 Sept., 2014.
- 2013 Lercari, N., Forte, M., Zielinski, D., Kopper, R., Lai, R. Çatalhöyük @ DiVE: Virtual reconstruction and immersive visualization of a Neolithic building. Paper presented at *Space2Place, Digital Heritage International Congress 2013*, Marseille, France, Oct. 28- Nov 01, 2013.
- 2013 Forte, M., Dell'Unto, N., Haddow, S., Lercari, N. 3D Documentation at Çatalhöyük: New Perspective for Digital Archaeology. Paper presented at *Space2Place, Digital Heritage International Congress 2013*, Marseille, France, Oct. 28- Nov 01, 2013.
- 2013 Campana, S., Morelli, G., Catanzariti, G., Strutt, K., Forte, M., Lercari, N. 4D Surveys at Çatalhöyük (Turkey): Magnetometry, sa-GPR & hr-GPR, Laser scanning. Paper presented at *Space2Place, Digital Heritage International Congress 2013*, Marseille, France, Oct. 28- Nov 01, 2013.

Research Reports

- 2016 Lercari, N., Lingle, A. M., Umurhan, O. (2016). *Çatalhöyük Digital Preservation Project – Field season 2016 Report*. Çatalhöyük Project - Stanford University.
- 2016 Lercari, N., Lingle, A. M. (2016). *Çatalhöyük Digital Preservation Project*. Çatalhöyük Project - Stanford University.
- 2016 Forte, M., Danelon, N., Biancifiori, E., Dell'Unto, N., Lercari, N. (2016). *Building 89 and 3D Digging Project*. Çatalhöyük Project - Stanford University.
- 2015 Forte, M., Lercari, N. (2015). *Building 89 3D Digging Project*. Çatalhöyük Project - Stanford University.
- 2014 Forte, M., Dell'Unto, N., Lercari, N. (2014). *3D Digging Projects – Season 2013*. Çatalhöyük Project - Stanford University.

Invited Talks

- 2017 **Lercari, N., Mapeo Tridimensional En Los Albores De La Civilización: Métodos 3D para la documentación, interpretación y visualización de Çatalhöyük, Turquía, National Autonomous University of Mexico City (UNAM), Mexico (May 2017).**
- 2017 Lercari, N. and Jaffke, D., *Bodie 3D Project*, California State Parks Leader's Training 2017, Asilomar, CA (January 2017).
- 2016 Lercari, N., *History-making and religious ritual in 4D: A Spatial and Temporal Virtual Reconstruction of Çatalhöyük History Houses*, New Perspectives on Çatalhöyük: 3D Visualization and Archaeology Conference, Old Dominion University, VA (December 2016).
- 2016 Lercari, N., *Heritage Preservation and Emerging Technologies*, CITRIS Research Exchange Seminar Series, UC Berkeley, CA (October 2016).
- 2016 Lercari, N., *Bodie Digital Heritage and Pacific Research Platform*, CITRIS PRP Science Engagement Workshop, UC Merced, Merced, CA (September 2016).
- 2016 Lercari, N., *Bodie Digital Heritage Project*, Geosummit 2016 – Discover the Power of GIS, UC Merced, Merced, CA

- (April 2016).
- 2016 Lercari, N., *3D Mapping at the Dawn of Civilization*, Modeling Culture Conference, UC Santa Cruz, Santa Cruz, CA. (April 2016).
- 2016 Lercari, N., *Interpretation Using Digital Technologies*, Resources Management Cultural Advanced Training, California State Parks, Asilomar, CA (March 2016).
- 2015 Lercari, N., *Advancements in 3D Documentation Techniques: Bodie Digital Heritage Project*, California Preservation Foundation Workshop, Vallejo, CA. (November 2015).
- 2015 Lercari, N., *Bodie Digital Heritage Project*. California State Parks Transformation Team - Natural and Cultural Resources - Advisory Group Meeting, Sacramento, CA (October 2015).
- 2015 Lercari, N., *Heritage, Reality Computing, and the Cyber Future of Humanities Scholarship*. UC Cyber-Infrastructure Conference 2015, Panel: Social Sciences, Humanities, and Education, UCLA, Los Angeles, CA. (April 2015).
- 2014 Lercari, N., *From Plato's Cave to C.A.V.E. Simulation*. Seminar - Job Talk. UC Merced, Merced, CA. (March 2014).

FELLOWSHIPS, GRANTS, GIFTS, AWARDS

Fellowships

- 2017 Hellman Family Fellows Award, *Digital Maya Heritage: A new approach to digital heritage documentation and dissemination in under-documented areas of Southern Mexico*, \$18,000, PI – Nicola Lercari.**

Grants

- 2017 UCMexus Small Grants 2017, *Initial Development for Collaborative Opportunities between UC Merced and Universidad Nacional Autónoma de México (UNAM): Proyecto Regional Palenque*, \$1,500, PI – Nicola Lercari.
- 2017 National Science Foundation CC* Networking Infrastructure, *Building a science DMZ network for UC Merced (NSF Award No: 1659210)*, \$422,460, PI – Susanne Sindi; Co-PIs – Nicola Lercari, Ashlie Martini, Michael Spivey.**
- 2017 LYRASIS with Andrew W. Mellon Foundation prime, *Community Heritage Network*, \$25,000, PI – Nicola Lercari.
- 2017 UC Merced Center for the Humanities – Seed Grant for Public Humanities and Public Arts, *Community Heritage Network*, \$19,970, PI – Nicola Lercari.
- 2016 Henry Luce Foundation's Higher Education Program, *Planning Grant - Building Research Partnerships in the San Joaquin Valley: Community Engaged Research and Graduate Mentorship in the Interdisciplinary Humanities*, \$50,000, PI – Jill Robbins; Co-PIs – Marjorie Zatz, Robin DeLugan, Arturo Arias, and Nicola Lercari.
- 2016 California Department of Parks and Recreation, *General Park-Wide Digital Imaging*, \$43,826, PI – Nicola Lercari.
- 2016 Resources Legacy Fund Foundation, *California State Parks Initiative*, \$36,174, PI – Nicola Lercari.
- 2016 Archaeological Institute of America Site Preservation Grant, *Çatalhöyük Digital Preservation Project*; \$25,000, PI – Nicola Lercari; Co-PI – Ashley M. Lingle.
- 2016 University of California Office of the President - Center for Information Technology Research in the Interest of Society (CITRIS) Seed Grant 2016, *Bodie Digital Community: Connect with Your Past*, \$60,000, PI – Nicola Lercari; Co-PIs – Marcelo Kallmann and Arnav Jhala.**
- 2015 University of California Office of the President Catalyst Award, *At-Risk Cultural Heritage and the Digital Humanities (Grant ID: CA-16-376911)*, \$1.06 million (\$159,127 UC Merced sub award), PI – Thomas E. Levy; Co-PIs – Willeke Wendrich, Nicola Lercari, Benjamin Porter.**
- 2015 UC Merced Center for the Humanities Working Group Grant, *Narrative and Visual Production*, \$2,000, PI – Paul Gibbons; Co-PIs – Nicola Lercari, Susan Varnot. Principal Investigator, Faculty Grants for Undergraduate Directed Group Experiences in Community Engaged Research. Sponsored by UC Merced ReCCES. \$2,000 (January 1, 2016 - December 31, 2016).
- 2015 UC Merced Center for the Humanities Working Group Grant, *Research and Preservation at the Cueva del Rey Kong-oy (Condoy), Oaxaca, Mexico*, \$2,000, PI – Holley Moyes; Co-PIs – Nicola Lercari.

2015 UC Merced Graduate Division Interdisciplinary Small Grants Program, *Natural and Cultural Resources Preservation Interdisciplinary Research Group*, \$3,000, PI – Nicola Lercari.

Gifts

2017 City of Waterford, *Donation in support of the John Muir Geotourism App Project*, \$5,000, PI – Nicola Lercari.

2016 Graf-Pulvino Family Fund and City of Waterford, *John Muir Geotourism App Project*, \$20,000, PI – Nicola Lercari.

Awards

2017 Corporation for Education Network Initiatives in California (CENIC), ‘Innovations in Networking Award 2017 for Research Applications’, Nicola Lercari, Jeffrey Weekley, and Rachel Hadley.

2007 University of Bologna Iceberg Award (Selected Artworks).

2006 University of Bologna DAMS Award (Multimedia Section) ‘Top 10 artworks’.

2004 University of Genova Academic Excellence Award.

EXHIBITIONS

2017 *The Curious Case of Çatalhöyük* – 3D Content Consultant – Multimedia and Interactive 3D installations – Koç University Research Center for Anatolian Civilizations (ANAMED) – Istanbul, Turkey (June 2017).

2016 *Coulterville’s Heritage in a Digital Age* – Curator – Remote sensing data, 3D visualization, and community-engaged heritage research – Independent Orders of Odd Fellows Lodge, Coulterville, CA. (April 2016).

2012 *Art and Science Gala – The intersection of Image and Research* – 3D Content Specialist – Interactive 3D applications and stereographic visualization – Berkeley Arts Festival Gallery, Berkeley, CA. (Nov. 2012).

2011 *3D Digging at Çatalhöyük Exhibit* – 3D Content Specialist – Interactive 3D applications, holographic and stereographic visualization – Stanford Archaeological Center – Stanford, CA. (May 2011).

2011 *Virtual Western Han Dynasty Exhibit* – 3D Content Specialist – Interactive 3D applications and stereographic visualization – CITRIS Tech Museum – University of California Berkeley, Berkeley, CA. (April 2011)

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

2016 – Present Sierra Nevada Research Institute.

2015 – Present Association of Critical Heritage Studies.

2015 – Present Archaeological Institute of America.

2015 – Present Society for American Archaeology.

2015 – Present Center for Information Technology Research in the Interest of Society (CITRIS).

LICENSURES AND CERTIFICATIONS

2013 Teaching with New Media, University of California, Merced Center for Research on Teaching Excellence. (2012 - May 2013, Merced CA).

2008 Integrated Digital Technologies applied to Cultural Heritage, Italian National Research Council – CNR ITABC. (November 2008. Rome, Italy).

2006 Interactive Graphics, CINECA Research Center. (October 2006, Bologna, Italy).